

24879

S/109/61/006/C07/C19/C20

D262/D306

9.4220

AUTHORS: Fedotov, A.P., and Teplyakov, V.A.

TITLE: Requirements as to magnetic field amplitude and phase stability in resonant cavities of linear accelerators

PERIODICAL: Radiotekhnika i elektronika, v. 6, no. 7, 1961,  
1205 - 1206

TEXT: Since the instability of amplitude and phase of magnetic fields in linear accelerators leads to the instability of longitudinal motion of the particle it should be reduced as much as possible. The authors are aware of one published work only dealing with this problem (Ref. 1: I.L. Zel'manov, A.S. Kompaneyets, Statisticheskiy razbroz faz v sisteme nezavisimykh rezonatorov (Statistical Spread of Phases in a System of Independent Resonators) Otchet IKhF, AN SSSR, 1953). In the present short article the authors determine analytically the maximum phase and amplitude deviations allowed in an accelerating system of long resonators. A single long

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cavity resonator is considered first. At its input are bunched accelerated particles, the states of which in the phase plane evenly fill-in the whole region of constant acceleration. When the phase and the amplitude of the filled-in cavity are changed, this region of stable acceleration is deformed and shifted and some particles are out of this region. If  $x$  is the ratio of the accelerated particle current in a disturbed regime to that of being accelerated according to theoretical conditions, this ratio remains unity for the calculated value of phase, when the amplitude of the field  $u$  increases from its calculated value  $u_0$  with the corresponding synchronous phase  $\varphi_{so}$ . When  $u$  decreases from  $u_0$  to  $u_0 \cos \varphi_{so}$ . (Ref. 4: A.P. Fedotov, B.K. Shembel', Radiotekhnika i elektronika, 1961, 6, 1, 108)

$$\frac{x}{x} \approx 1 - \frac{1}{1 - \cos \varphi_{so}} \cdot \frac{\Delta u}{u_0}, \quad (1)$$

where  $\Delta u = u_0 - u$ . For  $u \leq u_0 \cos \varphi_{so}$  the acceleration becomes im-

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possible. It can also be shown that with constant amplitude of the field

$$\beta e \approx 1 - \left| \frac{\Delta \varphi}{3\varphi_{so}} \right| \quad (2)$$

holds. Equating (2) and (1)

$$\frac{\Delta u}{u_0} = \frac{1 - \cos \varphi_{so}}{3} \frac{\Delta \varphi}{\varphi_{so}} \quad (4)$$

is obtained. E.g. for three wing cavity resonators of an accelerator with  $\varphi_s = 30^\circ$  and assuming losses to be 20 %. The obtained values of allowable instabilities are minimum because an even distribution of particles was assumed in the region of stable acceleration. In fact, as the velocity of particles increases, the "density" of their states at the fringe of stable acceleration becomes smaller than that at the center. The author acknowledge the help of B.K. Shembel. There are 4 references: 3 Soviet-bloc and 1 non-

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Requirements as to magnetic ...

Soviet-bloc. The reference to the English-language publication  
reads as follows: J.H. Williams a oth.. Rev. Scient. Instrum. 1958.  
29, 6.

SUBMITTED: November 21, 1960

Card 4/4

10 JUN 23 1963  
Teplyakov, V.A.

PHASE I BOOK EXPLOITATION

SOV/6234

Karetnikov, D. V., I. N. Slivkov, V. A. Teplyakov, A. P. Fedotov,  
and B. K. Shembeil.

Lineynyye uskoriteli ionov (Linear Ion Accelerators). Moscow,  
Gosatomizdat, 1962. 207 p. Errata slip inserted. 5000 copies  
printed.

Ed.: A. I. Voronova; Tech. Ed.: S. M. Popova.

PURPOSE: This book is intended for nuclear physicists and engineers designing particle accelerators.

COVERAGE: The book contains a systematized explanation of the theory, design, and construction of linear ion accelerators. The following personalities are mentioned: K. D. Sinel'nikov, N. N. Semenov, A. L. Mints, A. I. Akhiyezer, Ya. B. Faynberg, V. V. Vladimirov, A. S. Kompaneyets, A. D. Vlasov, P. M. Zeydlits, I. L. Zel'manov,

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SOV/6234

**Linear Ion Accelerators**

I. Kh. Nevyazhskiy, Ya. S. Shutskever, L. I. Bolotin, Ye. G. Komar, B. M. Gokhberg, and V. N. Glazanov. There are 177 references, approximately half Soviet and half Western, the latter chiefly English and American.

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July 16, 2001 10:51 AM  
2012/E314

AUTHORS: Anisimov, G.M. and Teplyakov, V.A.

TITLE: Focusing by an accelerating field 8-  
JOURNAL: Pribory i tekhnika eksperimenta, no. 1, 1965,  
p. 1 - 22

ABSTRACT: Stationary focusing in linear ion-accelerators is considered. It is shown that considerable power losses, on the order of 10%, are incurred in focusing in the accelerating field if the focusing is done by means of magnetic lenses. It is shown that if the focusing is done by means of a longitudinal accelerating field, the focusing is unipotential, both in the longitudinal and transverse directions, and is made easier without the use of focusing magnetic lenses. It is shown that there are two components of the focusing force, the longitudinal and transverse, so that the average strength of the focusing force is constant along the entire length of the accelerating field. The transversal focusing is done by means of a transversal magnetic field. The authors propose a method of focusing in the accelerating field which makes it possible to achieve a very high current density. The principle of focusing is as follows. The accelerating field is formed by two lenses: the entrance to the accelerating gap and the exit from it.

5/120/63/000/001/002/072

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... C.R.M., May 1963

the system of focusing lenses and the exit a defocusing lens. The final image formation will occur in the three-dimensional space, so that the effect of the focusing lens along the defocusing direction will be reversed. In other words, the lenses will act as a focusing system in the longitudinal direction. This will be a reverse, and so it is called a longitudinal microscope. It is important to note that there is a relation between the sign of the lens and the sign of the longitudinal magnification. If the lens is a diverging one, then the longitudinal magnification will be a focusing one.

It is also important to note that, if the longitudinal magnification is negative, the image will be inverted. See figure.

Received by: [Signature] Date: Mar 24, 1964

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L 00065-66 EAT(m)/EPA(w)-3/111(3)-4 RPF(c)  
ACCESSION NR: AP5021324

UR/0120/65/000/004/0026/6029 45  
539.1.076

AUTHOR: Teplyukov, V. A.; Yermakov, S. M.; Makarov, A. I.; Gendel', Yu. G.;  
Krasnovskiy, V. I.; Shembel', B. K.

TITLE: The use of accelerating field focusing in the beginning part of a linear  
ion accelerator

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1965, 26-29

TOPIC TAGS: MEV accelerator, ion beam focusing, particle accelerator component

ABSTRACT: The beginning part of an accelerator (b.p.a.) is distinguished by large relative velocity increments within the gaps of the accelerating system. The existing theory of accelerating field focusing is applicable to accelerators with small velocity increments only (1-2%) and describes only poorly the ion motion with the b.p.a.. Such a focusing was tested only on electron models of 4-7 MEV proton linear accelerators and the present authors tested the accelerating field focusing in a b.p.a. with velocity increments of 5-15% and an injection energy of 50 KEV with an operative wavelength of 5 m. This article describes the instrument and by comparing the proton spectra at its exit (drift tubes with a channel

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having rectangular or circular cross section) shows that the focusing by means of the accelerating field is quite effective. "The authors thank A. P. Fedotov for his participation during the accelerator design, B. K. Kondrat'yev, S. R. P. Kuybidgev and V. I. Moguchev for their part in putting the device into operation, and A. I. Trikin for his help in carrying out the experiments." Orig. art. has: 4 figures. 55

ASSOCIATION: None

ENCL: 00

SUB CODE: NP

SUBMITTED: 27May64

OTHER: 000

NO REF Sov: 003

4/16/5  
Card 2/2

L 00656-66  $EWT(m)/EPA(w) = \sqrt{SW(r)/Q} = (JW(r))$

ACCESSION NR: AP5021325

UR/0120/65/000/004/0029/0031  
539.1.076

AUTHOR: Hal'csov, A. P.; Teplyakov, V. A.

TITLE: The calculation of gap parameters for accelerating field focusing

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1965, 29-31

TOPIC TAGS: focusing accelerator, particle accelerator, particle accelerator component, Laplace equation

ABSTRACT: The design of an accelerating field focusing ~~accelerator~~ must be based on the knowledge of the efficiency  $\nu$  and quadrupolarity  $\lambda$  of the gaps. Because of the complex boundary conditions the exact solution to the Laplace equation cannot be obtained analytically or with the help of electronic computers. One method is to utilize paraxial values of the field and field gradients measured within an electrolytic tank. Another method is presented in this paper and it utilizes approximate analytical expressions for the electrical gap parameters derived as a function of the geometrical dimensions of the gap by solving the electrostatic problem with approximate specification of the boundary conditions. This approach is feasible in a large number of cases. A comparison of the calculated and

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experimental (electrolytic tank) values shows that the error in  $\nu$  is within a 2.5% limit, and that in  $\lambda$  it is within  $\pm 15\%$ , provided the ratio of the two sides of the rectangular cross section of the channel ( $c/a$ ) is larger than 3. For  $c/a = 2.5$ , the calculated values turn out to be too high. Orig. art. has: 10 formulas, and 1 figure.

ASSOCIATION: None

SUBMITTED: 27May64

NO REF Sov: 004

ENCL: 00

SUB CODE: NF, MA

OTHER: 000

2/2

L 01270-66 EWT(1)/EPA(s)-2/EWT(m)/EPF(c)/EWP(j) IJP(c) RM

ACCESSION NR: AP5020815

UR/0048/65/029/008/1422/1424

AUTHOR: Mikhaylenko, V. I.; Teplyakov, P. A.; Trusov, V. V.; Teplyakov, V. A.

TITLE: Vibrational structure of the spectra of organic molecules with  $D_{2h}$  symmetry  
Report, 13th Conference on Luminescence held in Kyar'kov 25 June to 1 July 1964

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 8, 1965, 1422-1424

TOPIC TAGS: luminescence spectrum, phosphorescence spectrum, line spectrum, solution property, vibration spectrum, molecular vibration, molecular symmetry, selection rule, organic compound

ABSTRACT: The authors discuss data in the literature on the quasi-line luminescence spectra of diphenyl, diphenylacetylene, and stilbene in normal paraffin solvents in order to determine the extent to which the vibrational selection rules due to the molecular symmetry are violated. Diphenyl has  $D_{2h}$  symmetry. From a discussion of the quasi-line phosphorescence spectrum it is concluded that only the single electron transition  $B_{2u} - A_{1g}$  is active in the phosphorescence spectrum and that the selection rules are rigorously satisfied. Diphenylacetylene also has  $D_{2h}$  symmetry. Best agreement with the experimental data was obtained with the assumption that the symmetry of the triplet level is  $B_{3u}$ . If this assumption is correct there is only

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one weak forbidden  $b_{3g}$  vibration evinced in the phosphorescence spectrum. This violation of the selection rule is ascribed to distortion of the molecule when the solution is frozen. Stilbene does not have  $D_{2h}$  symmetry, but its spectrum is nevertheless analyzed in terms of the  $D_{2h}$  group. This procedure is justified by the close similarity between the stilbene and diphenylacetylene molecules. If the first excited singlet level of stilbene has  $^1B_{3u}$  symmetry, there is only a single forbidden  $b_{3g}$  vibration evinced in the luminescence spectrum. The violation of the selection rule is again ascribed to deformation of the molecule, and it is conjectured that this deformation consists of a change in the angle between the double and single bonds with the result that the molecule assumes  $C_{2h}$  symmetry. The authors close with a brief quotation from E.V.Spol'skiy to the effect that group theory is useful, among other things, for detecting and analyzing minute molecular deformations. Orig. art. has 1 table.

ASSOCIATION: Odesskoye vyssheye inzhenernoye morskoye uchilishche (Odessa Naval Engineering College)

SUBMITTED: 00

65,11

ENCL: 00

SUB CODE: OP, GC

NO REV SOV: 010

OTHER: 004

Card 2/2

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CIA-RDP86-00513R001755320003-5

TEPLYAKOV, Yu.

Surmounted barrier, NTO 4 no. 9135-37 S '62.  
(Electronic instruments) (MIRA 16:1)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320003-5"

BAYKOVICH, E.M.; TEPLYAKOV, Yu.D., zootehnik-instruktor

New design of a stand for the fastening and artificial insemination of cows. Zhivotnovodstvo 23 no.8:82-83 Ag '61. (MIRA 16:2)

1. Zaveduyushchiy Krasnogvardeyskoy stantsiyey iskusstvennogo osemneniya sel'skokhozyaystvennykh zhivotnykh (for Baykovich).  
(Artificial insemination--Equipment and supplies)  
(Cows)

SOBOL', S.I.; NELEN', I.M.; SPIRIDONOV, V.I.; BERLIN, Z.L;  
GORYACHKIN, V.I.; TARAKANOV, B.M.; SHKURSKIY, V.D.; Prinimali  
uchastiya: FREYMAN, A.K., inzh.; BRUK, B.M., inzh.;  
CHEBOTKEVICH, G.V., inzh.; OSPIN, V.G., inzh.; ALEKSANDROVA, N.N.,  
laborant; SALTYKOV, I.B., laborant; TELKOVA, Ye.I., laborantka;  
TEPLYAKOV, Yu.M., laborant; GAVRILENKO, A.P., slesar';  
KURGUZOV, A.S., elektrik; GAVRILOV, I.T., elektrik

Pilot-plant testing of the State Institute of Nonferrous  
Metals flow sheet for the autoclave retreatment of copper-  
molybdenum intermediate products. Sbor. nauch. trud. Gin-  
tsvetmeta no.19:319-339 '62. (MIRA 16:7)

(Nonferrous metals—Metallurgy)  
(Leaching)

TEPLYAKOVA, A.

NEPOROZHNIY, Petr Stepanovich, kandidat tekhnicheskikh nauk; TEPLYAKOVA, A.,  
redakter; ZELISKOWA, Ye., tekhnicheskiy redakter.

[Reinforcement technology for massive and precast concrete work]  
Tekhnologiya armaturnykh rabot massivnogo i sbernego zhelezobetona.  
Kiev, Gos.izd-vo lit-ry po stroit. i arkhitektury USSR, 1955. 147 p.  
(MLRA 9:5)  
(Reinforced concrete construction)(Precast concrete construction)

TEPLYAKOVA, A., redaktor; IQAKIMIS, A., tekhnicheskikh redaktor

[Instructions for the protection of wood in apartment houses and  
public buildings from the ravages of wood fungi and beetles]

Instruktsiia po zashchite drevesiny v zhilykh i grazhdanskikh  
zdaniiakh ot razrushenii domovymi gribami i shukami. Kiev, Gos.  
izd-vo lit-ry po stroit. i arkhitekture USSR, 1956. 39 p.

(MIRA 9:12)

1. Ukraine. Gosudarstvennyy komitet po delam stroitel'stva i arkhi-  
tekturny.

(Wood--Preservation)

TERPLYAKOVA, A.

ANOMNITSKAYA, Rosa Borisovna, kand.tekhn.nauk; OL'SHANSKAYA, Zinaida  
Ivanovna, inzh.; MORACHEVSKIY, I.I., kand.tekhn.nauk, red.;  
TERPLYAKOVA, A., red.; SHARAY, Ya., tekhn.red.

[Manual on testing clay for the manufacturing of ceramic building  
materials] Rukovodstvo po ispytaniiam dlin dlia proizvodstva  
keramicheskikh stroitel'nykh materialov. Pod red. I.I.Morachevskogo.  
Kiev, Gos.izd-vo lit-ry po stroy. i arkhit. USSR, 1957. 210 p.  
(MIRA 11:3)  
(Clay--Testing)

MIRKIN, Zinoviy Samoylovich; STETSENKO, Nikolay Mikhaylovich; TEPLYAKOV, b.,  
redaktor; ZELENKOVA, Ye., tekhnicheskij redaktor

[Manual for painters and finishers] Pamiatka maliara-al'freisbchika.  
Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1957. 543 p.  
(Painting, Industrial) (MLRn 10:10)  
(House decoration, Industrial)

KATKOVA, Mariya Mikhaylovna; TEPLYAKOVA, A.S., red.

[Practices of sheepbreeders of Kherson Province] Dosvid vivchariv  
Khersonshchyny. Kyiv, 1958. 23 p. (Tovarystvo dlia poshyrennia  
politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.3, no.20).  
(MIRA 12:2)

(Kherson Province--Sheep)

TEPLYAKOVA, A

ZHUKOV, Arkadiy Vladimirovich, kand.tekhn.nauk; KALENOV, Yevgeniy Mikhaylovich, inzh.; TROTSKO, Taisiya Timofeyevna, inzh.; TEPLYAKOVA, A., red.; IOAKIMIS, A., tekhn.red.

[Porous materials and aggregates for lightweight concretes] Poristye materialy i zapolniteli dlja lekkikh betonov. Kiev, Gos.izd-vo lit-ry po stroit. i arkhitekt., 1958. 108 p. (MIRA 12:3)  
(Lightweight concrete)

TEPLYAKOVA, A.

GULINOVA, Larisa Grigor'yevna, kand.tekhn.nauk; KORNILOVICH, Yury  
Yevgen'yevich, kand.tekhn.nauk; SKATYNSKIY, Viktor Iosifovich,  
kand. tekhn.nauk; BUDNIKOV, P.P., akademik, red.; TEPLYAKOVA, A.,  
red.; ZELENKOVA, Ye., tekhn.red.

[Technology of autoclave building materials] Tekhnologija avto-  
klavnykh stroitel'nykh materialov. Pod red. P.P.Budnikova. Kiyev,  
Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1958. 254 p.  
(MIRA 11:7)

1. Akademiya nauk USSR (for Budnikov)  
(Building materials)

STETSENKO, Aleksey Vasil'yevich [Stetsenko, O.V.], kand.khim.nauk; POCHINKO,  
V.Ya. [Pochynko, V.IA.], kand.khim.nauk, red.; TEPLYAKOVA, A.S.  
[Tepliakova, A.S.], red.

[High molecular weight compounds and their importance for the  
national economy] Vysokomolekularni spoluky ta ikh znachennia  
dlia narodnogo hospodarstva. Kyiv, 1958. 30 p. (Tovarystvo dlia  
poshyrennia politychnykh i naukovykh znan' URSR. Ser.4, no.11)  
(Gums and resins, Synthetic) (Polymers) (MIRA 12:2)

MOROZ, Ivan Ivanovich.; TEPYAKOVA, A., red.; NEMCHENKO, I., tekhn. red.

[Converting ceramic building material plants to year-round  
operation] Perevod zavodov stroitel'noi keramiki na kruglogodovuiu  
rabotu. Kiev, Gos. izd-vo lit-ry po stroyt. i arkhit. USSR, 1958.  
(MIRA 11:10)  
341 p.

(Ceramic industries)

BIRULYA, Aleksandr Konstantinovich; GRIBNIKOV, Samuil Moiseyevich;  
TREPLYAKOVA, A., red.; NEMCHENKO, I., tekhn.red.

[Using lightweight materials in constructing pavements] Do-  
rozhnye pokrytiia oblegchennykh konstruktsii. Kiev, Gos.izd-vo  
lit-ru po stroit. i arkhit. USSR, 1959. 211 p. (MIRA 13:3)  
(Pavements)

LINOVICH, Ievsey Yeremeyevich; LINOVICH, Leonid Yevseyevich; DRANNIKOV,  
A.M., doktor geologo-mineralog.nauk, red.; RIVKIN, S.A., dotsent,  
red.; BERGER, K., red.; TEPLYAKOVA, A., red.; BEREZOVSKIY, N.,  
tekhn.red.

[Designing and constructing elements of residential and public  
buildings] Raschet i konstruirovaniye chastei grazhdanskikh zdanii.  
Izd.5., perer. i dop. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.  
(MIRA 13:3)  
USSR, 1959. 687 p.

1. Kiyevskiy inzhenerno-stroitel'nyy institut (for Rivkin).  
(Building) (Structures, Theory of)

LESENKO, Aleksandr Nikolayevich; TEPLYAKOVA, A., red.; NEMCHENKO, I.,  
tekhnred.

[Simplest methods for surveying building areas and locating  
structures on building sites] Prosteishie sposoby s"emki  
ploshchadok pod stroitel'stvo i razbivki stroenii na mestnosti.  
Izd.2., dop. 1 perer. Kiev, Gos.izd-vo lit-ry po stroit. i  
arkhit.USSR, 1959. 111 p. (MIRA 13:5)  
(Building sites) (Surveying)

GLUSHKOV, Viktor Mikhaylovich [Hlushkov, V.M.], doktor fiziko-matem.nauk;  
YUSHCHENKO, K.L., otv.red.; TEPLYAKOVA, A.S. red.

[Control elements in automatic production processes] Keruiuchi  
mashyny avtomatyzovanoho vyrobnytstva. Kyiv, 1960. 38 p. (Tova-  
rystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi  
RSR. Ser.5, no.9).  
(Automatic control) (Servomechanisms)

DRAYGOR, David Abramovich [Draigor, D.A.]; BARABASH, M.L., otv.red.;  
TEPLYAKOVA, A.S., red.

[Technological means for prolonging the life of machinery]  
Tekhnologichni shliakhiv pidvyshchennia dovhovichnosti mashyn.  
Kyiv, 1960. 25 p. (Tovarystvo dlia poshyrennia politychnykh  
i naukovykh znan' Ukrains'koi RSR. Ser.7, no.11).  
(MIRA 14:2)

(Machinery--Maintenance and repair)

DROGICHINSKIY, Nikolay Yemel'yanovich; SHKURATOV, A.I., otv.red.;  
TEPLYAKOVA, A.S., red.

[The Leninist principles of planning] Leninskie printsiipy  
planirovaniia. Kiev, 1960. 63 p. (Obshchestvo po raspro-  
straneniu politicheskikh i nauchnykh znanii Ukrainskoi SSR.  
Ser.2, no.6/?).  
(Russia--Economic policy)

(MIA 10:7)

GITIS, Semen Semenovich; ALEKSEYEV, Vladimir Vasil'yevich [Aleksieiev, V.V.];  
KOKHNO, Yu.A., otv.red.; TEPLYAKOVA, A.S., red.

[Plastics and their uses] Plastichni masy ta ikh zastosuvannia.  
Kyiv, 1960. 38 p. (Tovarystvo dlia poshyrennia politychnykh i  
naukovykh znan' Ukrains'koi RSR. Ser.7, no.7). (MIRA 13:7)  
(Plastics)

DOVGAL', Mikhail Fedorovich; GRIENIKOV, Samuil Moiseyevich; SYUN'I,  
G.K., otv.red.; TEPLYAKOVA, A.S., red.

[Highways in the Ukraine and their expansion during the seven-year  
plan] Avtomobil'nye dorogi Ukrayny i ikh razvitiye v semiletke.  
Kiev, 1960. 27 p. (Obshchestvo po rasprostraneniiu politicheskikh  
i nauchnykh znanii Ukrainskoi SSR. Ser.7, no.9).

(MIRA 14:1)

(Ukraine--Road construction)

KOCHEGURA, Mikhail Andreyevich [Kochegura, M.A.], kand.tekhn.nauk;  
SHIPIL', V.Ya., kand.tekhn.nauk, otv.red.; TEPLYAKOVA, A.S.,  
red.

[Airplanes of the seven-year plan] Litaky semyrichky. Kyiv,  
1960. 39 p. (Tovarystvo dlia poshyrennia politychnykh i  
naukovykh znan' Ukrains'koj RSR. Ser.7, no.6). (MIRA 13:8)  
(Airplanes)

PLEKHOV, Nikolay Dmitriyevich; BEZBORODOV, G.N., otv.red.; TEPLYAKOVA, A.S., red.

[Achievements in structural engineering and prospects for its development] Dostizheniya stroitel'noi tekhniki i perspektivy ee razvitiia. Kiev, 1960. 33 p. (Obshchestvo po rasprostraneniuu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.7, no.10). (MIRA 14:2)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury USSR (for Plekhov).  
(Precast concrete construction) (Ukraine--Apartment houses)

MILKO, Sergey Nesterovich; FIRSTOV, Aleksey Nikoleyevich; KONASHKO,  
N.P., otv.red.; TEPLYAKOVA, A.S., red.

[Progressive foundry practices] Progressivnaja tekhnologija  
liteinogo proizvodstva. Kiev, 1960. 39 p. (Obshchestvo po  
rasprostraneniju politicheskikh i nauchnykh znanii Ukrainskoj  
SSR. Ser.7, no.12).  
(Founding)

GOLYAN-NIKOL'SKIY, Anton Yul'yevich [Holyan-Nikol's'kyi, A.Yu.]; BEREZNYUK,  
V.A., otv. red.; TEPLYAKOVA, A.S., red.

[Technology under communism] Tekhnika kommunizmu. Kyiv, 1961. 39 p.  
(Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi  
RSR. Ser.10, no.2) (MIRA 14:8)  
(Ukraine—Economic conditions) (Ukraine—Technology)

ZHUKOV, Arkadiy Vladimirovich, kand. tekhn. nauk; GUDZENKO, K.V., otd. red.;  
TEPLYAKOVA, A.S., red.

[Latest progressive building materials in the Ukrainian S.S.R.] No-  
veishie progressivnye stroitel'nye materialy v Ukrainskoi SSR. Kiev,  
1961. 39 p. (Obshchestvo po rasprostraneniu politicheskikh i  
nauchnykh znanii Ukrains'koi SSR. Ser.7, no.5) (MIRA 14:9)  
(Ukraine--Building materials)

GOVORUSHCHENKO, M.Ya. [Hovorushchenko, M.IA.], kand. tekhn. nauk; GAPA-  
NOVICH, M.S. [Hapanovich, M.S.], otv. red.; TEPLYAKOVA, A.S.,  
red.; MATVIICHUK, O.A., tekhn. red.

[Mechanization and automation of operations in the maintenance  
and repair of motor vehicles] Mekhanizatsiya i avtomatyatsiya  
vyrobnychych protsesiv pry tekhnichnomu obeslukhovuvanni ta re-  
monti avtomobiliv. Kyiv, 1961. 34 p. (Tovarystvo dlia poshy-  
rennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.7, no.6)  
(MIRA 14:9)

(Motor vehicles—Maintenance and repair) (Automation)

GOLUBEV, Timofey Mikhaylovich; BEREZNYUK, V.A., otv. red.; TEPLYAKOVA, A.S.,  
red.; MATVIICHUK, A.A., tekhn. red.

[New methods of press forging of metals] Novye metody obrabotki metal-  
lov davleniem. Kiev, 1961. 45 p. (Obshchestvo po rasprostraneniu  
politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.7, no.4)

(Forging)

(Powder metal processes)

(MIRA 14:11)

MOZGOVOY, Ivan Alekseyevich [Mozhovyj, I.O.]; NIKOLAENKO, I.I. [Nikolaienko, I.I.], otv. red.; TEPLYAKOVA, A.S., red.; MATVIICHUK, O.A., tekhn. red.

[Let's work as our heroes do] Na riven' z heroiamy. Kyiv, 1961. 33 p.  
(Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'-  
koi RSR. Ser.10, no.4) (MIRA 14:11)  
(Agriculture--Labor productivity)

TERLYAKOVA, A.S.

LITINETSKIY, Izot Borisovich[Litynets'kyi, I.B.], kand. tekhn. nauk;  
GOLUB, A.M. [Holub, A.M.], kand. khim. nauk, otv. red.; TE-  
PLYAKOVA, A.S., red.

[M.V.Lomonosov as the founder of physical chemistry] M.V.Lomonosov-  
osnovopolozhnyk fizychnoi khimii. Kyiv, 1961. 38 p. (Tovarystvo  
dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koj RSR.  
Ser.6, no.7) (MIRA 14:9)  
(Lomonosov, Mikhail Vasil'evich, 1711-1765)

KOROSTASH, Anatoliy Ivanovich; ALEKSANDROVA, V.I., otv. red.; TEPLYAKOVA,  
A.S., red.

[Experience of innovators is an inexhaustible source for the growth  
of labor productivity] Dosvid novatoriv-nevycherpne dzherelo pid-  
vyshchennia produktyvnosti pratsi. Kyiv, 1961. 42 p. (Tovarystvo  
dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR.  
Ser.3, no.6) (MIRA 14:8)  
(Ukraine—Efficiency, Industrial) (Technological innovations)

KIZCHENKO, Anatoliy Fedorovich, kand. istor. nauk; TSVETKOV, G.M.  
[TSvetkov, H.M.], kand. istor. nauk, otv. red.; TEPLYAKOVA,  
A.S., red.; MATVIICHUK, O.A., tekhn. red.

[U.S.S.R. aid to underdeveloped countries] Dopomoha SRSR slabo-  
rozvynutym krainam. Kyiv, 1961. 47 p. (Tovarystvo dlia poshy-  
rennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.4,  
no.11) (MIRA 15:1)

(Underdeveloped areas)

FEDORCHENKO, Ivan Mikhaylovich, akademik; L'VOV, G.K.[L'vov, H.K.],  
otv. red.; TEPLYAKOVA, A.S., red.; MATVIICHUK, O.A., tekhn.  
red.

[Ceramic metal products in the national economy] Metalokera-  
michni výroby u narodnomu hospodarstvi. Kyiv, 1962. 30 p.  
(Tovarystvo dlia poshyrennia politychnykh i naukovykh znan'  
Ukrains'koi RSR. Seria 7, no.7) (MIRA 15:12)

1. Akademiya nauk Ukr. SSR (for Fedorchenko).  
(Ceramic metals) (Metal powder products)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320003-5

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320003-5"

TOPMAKOV, G. V.

"Changes in the Microflora of the Vagina During Cancer of the Cervix in the Process of Radiotherapy Treatment." Vestn. Med. Sci., Central Sci.-Res. Institute of Radiobiol. Inst., Min. Zdorov'ya SSSR, Leningrad, 1956. (KL, No. 15, Apr 55)

SC: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissemination  
Defended at USSR Higher Educational Institutions (1%).

ABDULLAYEV, M.D., M.D., kand.med.nauk; TEPLYAKOVA, G.V., kand.biologicheskikh nauk

Heterogeneous transplantation of tumors. Azerb.med. zhur. no.4:  
125-128 Ap '60. (MIRA 14: 5)

1. Iz pato-fiziologicheskoy laboratorii Azerbaydzhanskogo gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii (direktor - dotsent M.M.Alikishibekov).  
(TRANSPLANTATION OF ORGANS, TISSUES, ETC.) (CANCER)

AEDULLAYEV, M.D.; TEPLYAKOVA, G.V.

Transplantation of Brown-Pierce carcinoma of rabbits to rats.  
Biul. eksp. biol. i med. 52 no.9:94-97 S '61. (MIRA 15:6)

1. Iz Nauchno-issledovatel'skogo instituta rentgenologii i  
radiologii Azerbaydzhanskoy SSR (direktor - dotsent M.M.  
Alikishibekov), Baku. Predstavlena deystvitel'nym chlenom  
AMN SSSR N.N. Zhukovym-Verezhnikovym.

(CANCER--TRANSPLANTATION)

ABDULLAYEV, M.D.; TEPLYAKOVA, G.V.

Study of some properties of a heterogenic Brown-Pearce rabbit tumor transplanted in rats. Pat.fiziol.i eksp.terap. 9 no.4:  
85-86 Jl-Ag '65. (MIRA 18:9)

1. Nauchno-Issledovatel'skiy institut rentgenologii, radiologii i onkologii (direktor - doktor med. nauk M.M.Alikishibekov)  
Azerbaydzhanskoy SSR, Baku.

JENKS, William Furness; APEL'TSIN, F.R. [translator]; TITOVA, N.A. [translator]. Prinimala uchastiye TITOVYAKOVA, I.P. [translator]. SHEINMANN, Yu.M., red.; KARASEV, A.D., red.; GRIBOVA, M.P., tekhn.red.

[Handbook of South American geology] Ocherki po geologii JuZhnoi Ameriki; sbornik statei. Moskva, Izd-vo inostr.lit-ry, 1959.  
341 p. Translated from the English. (MIRA 13:11)

1. University of Cincinnati, Cincinnati, Ohio. (for Jenks).  
(Latin America--Geology)

Ya.

SEVERINOV, V. N.

Mr., Lab. Invertebrate Morphology, Inst. Zoologicheskii im. N. N.

Severinov Acad. Sci., -140-45-

"Concerning the Relationship between Length and Development of Wings and the  
Complexity of Blood-Forming Cells among Opossums," Brumati L, "Dok. AM,"

37, No. 7, 1949;

"Comparative Data on the Development of Reproductive Organs in Eutherian Mammals  
in the Plains of the South of the USSR and in Uzbekistan," Ibid., 40, No. 1, 1952;

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PERIODICALS  
DOK. AN SSSR 101/4, 77-775, Apr 1, 1951.

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APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320003-5"

KRAPOTKINA, M.A., TEPLYAKOVA, R.V.

Hygienic features of the special clothes for sinkers of vertical  
coal shafts. Uch.zap.Mosk.nauch.-issl.inst.san.i gig.no.8:41-45'61.  
(MIRA 16:7)

(COAL MINERS--DISEASES AND HYGIENE)  
(WORK CLOTHES)

TPLYAKOVA, Ye.V.

Sanitary evaluation of surface runoff in cities. Trudy IZGMI 26:  
243-248 '56. (MIRA 10:6)

1. Kafedra kommunal'noy gigiyeny Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta. Zav. kafedroy - P.K. Aggeyev.  
(SEWAGE,  
sanit. analysis (Rus))

TEPLYAKOVA, Ye.V., Cand Med Sci -- (diss) "On the problem  
of the sanitary evaluation of ~~municipal~~ <sup>urban</sup> surface sewage."

Len, 1954, 12 pp (Min of Health RSFSR. Len Sanitary  
Hygiene Med Inst) 200 copies (KL, 50-58, 131)

- 154 -

ROZENFEL'D, A.D., kand.meditinskikh nauk; TEPLYAKOVA, Ye.V., kand.  
meditsinskikh nauk

Hygienic evaluation of the material for plywood pipes. Gig.  
i san. 25 no. 5:95-96 My '60. (MIRA 13:10)

1. Iz Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo  
instituta.  
(WATER PIPES)

MAKHINENKO, A.I.; TEPLYAKOVA, Ye.V.

Effect of waste waters from the gas slate industry on the sanitary state of the Plyussa River and the Narva Reservoir. Trudy LSGMI no.68:161-166 '61. (MIRA 15:11)

1. Kafedra kommunal'noy gigiyeny Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. A.I.Shtreys).

(PLYUSSA RIVER--WATER--POLLUTION)  
(NARVA RESERVOIR--WATER--POLLUTION)  
(INDUSTRIAL WASTES)

TRIFKIN, N. F.

"The Biology of Saprophytic Cellulose Destroying Soil Mycochytridia Rhizohyphidia  
rosen," Byul Mosk. Obshch. Ispytat. Prirody, Otdel Biol., 54, No. 2, 1949.

TEPLIAKOVA, Z. P.

NOVOGRUDSKII, D. M., TEPLIAKOVA, Z. P.

Rhizophlyctis rosea, a microchytrid capable of destroying soil cellulose.  
Mikrobiologiya, Moscow 1954, July-Aug. 50. p. 317-25

1. Institute of Soil Science, Academy of Sciences Kazakh SSR, Alma  
Ata.

CML 19, 5, Nov., 1959

TEPLYAKOVA, Z.P.

New species of halophil cellulose dissolving bacteria. Mikrobiologija,  
Moskva 21 no. 3:283-289 May-June 1952. (CLML 22:3)

1. Institute of Soil Science of the Academy of Sciences Kazakh SSR,  
Alma-Ata.

TEPLYAKOVA, Z.; KARAGUYSHIYEVA, D.; GORYAYEV, M.I., deystvitel'nyy chlen.

Bacterial fertilizers and their effectiveness in the soils of Kazakhstan.  
Vest.AN Kazakh.SSR 10 no.6:60-67 Je '53. (MLRA ó:8)

1. Akademiya nauk KazSSR (for Goryayev).  
(Kazakhstan--Soil inoculation) (Soil inoculation--Kazakhstan)

TEPLYAKOVA, Z.F.; SITNIKOVA, A.S.; KARAGUYSHIYEVA, D.

Azotobacter distribution in some Kazakhstan soils. Mikrobiologiya 22, 164-  
70 '53. (MLRA 6:3)  
(CA 47 no.22:12717 '53)

1. Soil Research Inst., Acad. Sci. Kazakh. S.S.R., Alma-Ata.

TEPLYAKOVA, Z.F.

[Using bacterial fertilizers in Kazakhstan] Primenenie bakte-  
rial'nykh udobrenii v Kazakhstane. Alma-Ata, Akademija nauk  
Kazakhskoi SSR, 1955. 28 p. (MIRA 12:1)  
(Kazakhstan--Soil inoculation)  
(Fertilizers and manures)

Effectiveness of application of bacterial fertilizers in Kazakhstan. In the USSR, the use of bacterial fertilizers is widespread. They are used in agriculture, horticulture, and forestry. These fertilizers are imported from abroad. They are imported from the USA, Canada, and Australia. These fertilizers have a significant effect on the rate of growth and crop yields in crops of grain and grass, plants, annuals, and perennials. In low-nitrogen soils the use of seed inoculation with the fertilizers applied simultaneously gives better results than does the separate applica-

tion of the 2 forms. In certain soils, the reverse is true.

USSR/ Agriculture

Card 1/1 Pub. 123 - 3/11

Authors \* Assing, I. A., and Teplyakova, Z. F.

Title \* Effect of perennial grass on the fertility of irrigated light-chestnut colored soil

Periodical \* Vest. AN Kaz. SSR 2, 21 - 37. Feb 1955

Abstract \* Experiments were conducted to determine the effect of perennial grass on the content and composition of humus, on the microbiological processes and the accumulation of water-stable units in irrigated light-chestnut colored soil. The results obtained are listed. Eleven USSR references (1939 - 1954). Tables.

Institution: .....

Presented by: Bezsonov, A. I., Memb. Corresp. of Acad. of Sc., Kaz-SSR

TPLYAKOVA, Z.F.

Factors determining the dynamics of cellulose-decomposing soil  
micro-organisms. Izv. AN Kazakh. SSR. Ser. biol. no.9:75-83 '55.  
(MLRA 9:4)

(BACTERIA, CELLULOSE--DECOMPOSING)

ASSING, I.A.; TEPYAKOVA, Z.F.

Effect of perennial grasses on the fertility of irrigated light  
chestnut soils. Vest. AN Kazakh. SSR 11 no.2:21-37 F '55.  
(MIRA 8:4)

1. Predstavleno chlenom-korrespondentom AN KazSSR, A.I.Bezsonovym.  
(Soil fertility)

T E P L Y A K O V A , Z . G .

USSR/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3122

Author : Kanzafarova, D.A., Salikhova, L.M., Teplyakova, Z.G.

Inst : -

Title : Immediate and Remote Results of Treatment of the Chronic Myeloid and Lymphatic Leukemias with Embichin No 7 Series 5.

Orig Pub : Vopr. Krayevoy Patol. An UzSSR, 1956, Vyp. 7, 79-84

Abstract : 16 patients with chronic myeloid leukemia, 5 with chronic lymphatic leukemia and 1 with Hodgkin's disease were treated with intravenous embichin No 7 (0.01 mg/kg every other day). The dosage per whole course was 40 - 220 mg depending on the patient's condition, his ability to tolerate the drug, etc. Duration of remissions was 5-6 months, rarely up to 1 year, depending on the stage of the disease. The compound of series 5 caused fewer side effects than the previous series. It did not lead to an

Card 1/2

USSR/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3122

alteration of liver function in 16 cases; in 3 cases  
only was there a decrease in hippuric acid excretion.  
The best result was in the treatment of chronic myeloid  
leukemia. No depression of erythropoiesis was noted.

Card 2/2

TEPLYAKOVA, Z.F.

MISHUSTIN, Ye.N.; TEPLYAKOVA, Z.F.

Virgin lands and characteristics of their microflora. Izv. AN Kazakh.  
SSN. Ser. biol. no.12:5-19 '57 (MLRA 10:4)  
(KAZAKHSTAN--SOIL MICRO-ORGANISMS)

IL'YAKOV, Z. F.

IL'YAL'DINOV, A. N.; IL'YAKOVA, Z. F.

Ratio between aerobic and anaerobic micro-organisms in soils of the  
Kazakh S.S.R. [with summary in English]. Mikrobiologija 26 no.2:  
179-185 Mr-Apr '57. (MIRA 10:10)

1. Institut pochvovedeniya AN Kazakhskoy SSR, Alma-Ata.  
(SOIL, microbiol.

ratio between aerobic & anaerobic microorganisms in  
USSR soils (Eng)  
(MICROORGANISM  
same)

USSR/Soil Science - Biology of Soils.

J

Abs Jour : Ref Zhur Biol., № 22, 1958, 100041

Author : Teplyakova, Z.F., Maksimova, T.G.

Inst

Title : The Distribution of Actinomycetes in the Soils of Northern Kazakhstan.

Orig Pub : Mikrobiologiya, 1957, 26, № 3, 323-329

Abstract : The utilization of soil zones of virgin and waste lands in Akbulinskay and Kokchetavskaya Oblast's was investigated. In arid-steppe soils, actinomycetes and numerically-related-to-them microorganisms constitute 11-44% of the total quantity of bacteria. The greatest number of actinomycetes and their varieties are found in dark-chestnut cultivated carbonated soils. In the majority of soils in Northern Kazakhstan, the relative content of actinomycetes increases with depth; the visual spectrum narrows down and stays without changes.

Card 1/2

USSR/Soil Science - Biology of Soils.

J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100041

The most distributed forms are *Actinomyces globisporus*, *A. viridis*, *A. albis*, *A. longisporus* and also *Proact. albus*, *P. abritchewski*. The species composition of silonetz actinomycetes is the poorest. From the meadow suberose-silonetz were isolated halophilic actinomycetes, which developed well by the addition into their medium of 1.5-3% of NaCl and  $\text{Na}_2\text{SO}_4$ . In chernozems and dark-chestnut soils, cellulose-decomposing actinomycetes were found. There are more of them in cultivated soils than in virgin soils. -- A.E. Kosmachev

Card 2/2

- 46 -

TEPLYAKOVA, Z.F.

Comparative characteristics of the actinomyces of soils of the  
Far North and some soils of Kazakhstan. Izv.AN Kazakh.SSR.  
Ser.bot.i pochv. no.2:37-45 '59. (MIRA 13:5)  
(Russia, Northern--Soil micro-organisms)  
(Kazakhstan--Soil micro-organisms)  
(Actinomyces)

TEPLYAKOVA, Z.F.

Aerobic micro-organisms and mobilization of organic matter in  
mountain and piedmont soils of the Ketmen' Range. Trudy Inst.  
mikrobiol. i virus. AN Kazakh. SSR 3:193-204 '59.  
(KETMEN' RANGE—SOIL MICRO-ORGANISMS) (HUMUS) (MIRA 13:2)

MISHUSTIN, Ye.N.; TPLYAKOVA, Z.F.

Seasonal dynamics of microbiological processes and its  
agronomic significance. Izv.AN Kazakh.SSR.Ser.bot.i  
pochv. no.3:15-25 '60. (MIRA 13:7)  
(Soils--Bacteriology)

TEPLYAKOVA, Z.F.

Actinomyces in mountain and foothill soils of the Trans-Ili  
Ala-Tau. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 5:  
129-138 '61. (MIRA 15:4)  
(Trans-Ili Ala-Tau--Actinomyces)

USSR/Human and Animal Physiology (Normal and Pathological)  
Effects of Physical Factors. Ionizing Radiation.

T-13

Abs Jour : Ref Zhur - Biol., No 16, 1958, 75271  
Author : Kalenova, S.D., Tiliis, A.Yu., Teplyukova, Z.G., Kalugina,  
V.I., Levin, G.S.  
Inst Title : -  
Title : On the Problem of Pathogenesis of Radiation Sickness.  
Orig Pub : Probl. hematol. i perelivaniya krovi, 1957, 2, No 2, 18-  
24, 63.

Abstract : A two-fold transfusion in dogs (after preliminary bleeding )  
of 250-575 ml of blood, taken from dog donors in 7 and 12  
days after general roentgen exposure of 500-800 G led to  
the development of significant impairments of marrow hemo-  
poiesis, predominantly on the side of a depression of the  
leukopoiesis with stimulation of the deep reserves of he-  
mopoiesis (decrease of immature forms of neutrophils,

Card 1/2

USSR/Human and Animal Physiology (Normal and Pathological).  
Effect of Physical Factors. Ionizing Radiation.

T-13

Abs Jour : Ref Zhru - Biol., No 16, 1958, 75271

decrease of index of maturation of the latter, change of leukoerythroblast ratio, growth of number of reticular cells, plasmatization of cells etc.). This is considered as an indication of the presence in the blood of the exposed animals of a toxemic factor which influences the marrow hemopoiesis in the same direction as with direct exposure, and possesses significance in the pathogenicity of radiation sickness. -- E.B. Glikson.

Card 2/2

- 102 -

ALYAVIYA, M.K.; TEPLYAKOVA, Z.M.

Compounds of cadmium halides with aniline derivatives. Zhur.  
neorg.khim. 10 no.11:2504-2508 N '65. (MIRA 18:12)  
1. Kafedra obshchey khimii Tashkentskogo gosudarstvennogo medi-  
tsinskogo instituta. Submitted May 9, 1964.

DEMIDENKO, N.M.; PLAKHOVA, L.G.; TEPLYAKOVA, Z.M.

Working conditions and preventive measures during the application  
of new defoliants and desiccants to cotton. Med. zhur. Uzb.  
(MIRA 13:10)  
no. 9:15-18 S '60.

1. Iz kafedr gigiyeny truda (zav. - dotsent N.I. Smetanin) i  
obshchey khimii (zav. - dotsent E.Kh. Timbekov) Tashkentskogo  
gosudarstvennogo meditsinskogo instituta.  
(AGRICULTURAL CHEMICALS—TOXICOLOGY)  
(COTTON GROWING—HYGIENIC ASPECTS)

TEPPLYKH, G. (Saratov).

Increasing the dependability of switches. Radio no. 6:7<sup>th</sup> Je '53. (MLRA 6:6)  
(Electric switchgear)

LEVCHENKO, D.N.; YERMILOV, A.S.; TEPLYKH, G.A.; VOLOBUYEV, N.K.

Use of ultrasound for deemulsifying stable petroleux emulsions.  
Prim. ul'traakust. k issl. veshch. no.14:337-343 '61. (MIRA 14:12)  
(Ultrasonic waves--Industrial applications) (Emulsions)

LJ1202-66 EMT(m)/T DJ/ME/GD  
ACC NR: AT6013184 (N)

SOURCE CODE: UR/0000/61/000/000/0337/0343

AUTHORS: Levchenko, D. N.; Yermilov, A. S.; Teplykh, G. A.; Volobuyev, N. K.

ORG: none

TITLE: Application of ultrasound in de-emulsification of stable oil emulsions

SOURCE: Moscow, Oblastnoy pedagogicheskiy institut. Primeneniye ul'traakustiki k issledovaniyu veshchestva, no. 14, 1961, 337-343

TOPIC TAGS: ultrasound, emulsion, ultrasonic equipment, ultrasonic petroleum purification, ultrasonic vibration emitter, barium titanate / OP-10 de-emulsifier, VNII NP-58 de-emulsifier, KS-59 de-emulsifier

ABSTRACT: De-emulsification by means of ultrasound was studied on stable, aged, oil-water emulsions from traps and storehouses of the Moscow refineries. Three ultrasound generators (3.2 and 0.6 kilowatt capacities) and vibrators (magnetostriuctive, barium titanate, flat, and focusing) were employed in the study. The degree of de-emulsification was determined as a function of the height of the sonicated emulsion layer, sonication time, and ultrasound field intensity. It was established that the investigated emulsions can be destroyed when treated with ultrasound with a frequency of 20-750 kHz. The de-emulsification degree increases with increased ultrasound field intensity and time of treatment, and decreases with increased emulsion layer. The sound frequency is inversely proportional to the optimal thickness

Card 1/2

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ACC NR: AT6013184

3

of the destroyed emulsion. The most promising vibrators are barium titanate pipes and hydrodynamic vibrators used in conjunction with de-emulsifiers OP-10, VNII NP-58, and KS-59. // Orig. art. has: 2 tables and 8 figures.

SUB CODE: 07, 20, 11/ SUBM DATE: 22Apr61

Card 2/2 af

TEPLYKH, Ivan Grigor'yevich; SHILKIN, P.M., inzh., red.; BOBROVA,  
Ye.N., tekhn. red.

[Operating an a.c. contact network] Opyt ekspluatatsii kontakt-  
noi seti peremennogo toka. Moskva, Transzheldorizdat, 1962. 27 p.  
(MIRA 15:7)

(Electric networks)

(Electric railroads)

PAGE I BOOK EXPLORATION SOV/5053

Vsesoyuznaya konferentsiya po treniiu i iznosu v mashinakh. 3d.

1958.

Izdno 1 izdatelstvo "Antifrictionnye materialy (wear and  
Wear Resistance; Antifriction Materials) Moscow, 160-roj AM  
SSSR 1960. 273 p. Errata slip inserted. 3,500 copies printed.  
(Series: Iss: Trudy, v. 1)Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.  
Resp. Ed.: N. M. Dzhurashov, Professor; Eds. of Publishing  
House: N. Ya. Lebedev, and S. L. Orlits; Tech. Ed.:  
F. V. Polyakova.PURPOSE: This collection of articles is intended for practicing  
engineers and research scientists.

**CONTENTS:** The collection, published by the Institut mashinovedeniya, AN SSSR (Institute of Science of Machines, Academy of Sciences USSR), contains papers presented at the XII Vsesoyuznaya Konferentsiya po Treniiu i Iznosu v Mashinakh (Third All-Union Conference on Friction and Wear in Machines) which was held April 9-15, 1958. Problems discussed were in 5 main areas: 1) Hydrodynamic Theory of Lubrication and Friction Bearings (Chairman: Ye. M. Gut'yar, Doctor of Technical Sciences); 2) Lubrication and Lubricant Materials (Chairman: O. V. Vinogradov, Doctor of Chemical Sciences); 3) Dry and Boundary Friction (Chairman: B. V. Derjugin, Corresponding Member of the Academy of Sciences USSR, and I. V. Kragelskiy, Doctor of Technical Sciences); 4) Wear and Wear Resistance (Chairman: R. M. Krushakov, Doctor of Technical Sciences); and 5) Friction and Anisotropic Materials (Chairman: I. V. Kragelskiy, Doctor of Technical Sciences, and M. M. Krushakov, Doctor of Technical Sciences). Chairman of the General Assembly (on the first and last day of the conference) was Academician A. A. Blagonravov. L. Yu. Prusiansky, Candidate of Technical Sciences, was scientific secretary. The transactions of the conference were published in 3 volumes, of which the present volume is the first. This volume contains articles concerning the wear and wear resistance of antifriction materials. Among the topics covered are: modern developments in the theory and experimental science of wear resistance of materials, specific data on the wear resistance of various combinations of materials, methods for increasing the wear resistance of certain materials, the effects of friction and wear on the structure of materials, the mechanism of the seizing of metals, the effect of various types of lubricating materials on seizing, abrasive wear of a wide variety of materials and components under many different conditions, modern developments in antifriction materials, and the effects of friction machining on wear resistance. Many personalities are mentioned in the text. References accompany most of the articles.

Gorb. M. L.	X-Ray Investigation of the Structure of Steel Deformed by Nonuniform Volumetric Compression at Normal and Elevated Temperatures	128
Ishkeles, P. Ya., and Y. I. Starostin	On the Stresses and Structural Transformations in Steel Due to Wear	138
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SEARCHED INDEXED SERIALIZED FILED

AUTHORS: Petrenko, E. A.; Kosdrat'ko, N. Ya.; Nikitin, G. P.; Teplykh, T. F.

TITLE: Delayed neutrons from <sup>19</sup>photofission of U sup 238

SOURCE: Atomnaya energiya, v. 15, no. 2, 1963, 157-158

TOPIC TAGS: U sup 238, delayed neutron , photofission of U sup 238, bremsstrahlung, betatron

ABSTRACT: The authors described in previous papers an apparatus for introducing the target into the toroidal chamber of the betatron for irradiation with bremsstrahlung. This arrangement was used in the present work for the investigation of delayed neutrons from photofission. The maximum energies of the bremsstrahlung used were 11.4, 17.4 and 21.4 Mev. The neutron activity reached saturation after 5 min. of irradiation. Four groups of delayed neutrons were found. Their half-lives and relative yields are given in a table. The results are of a preliminary nature. Work is being continued. "The authors express their gratitude to student M. D. Nikonov who participated in the work." Orig. art. has: 1 figure and 1 table.

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TURGENSON, I.A.; TEPLYKH, V.S.

*Bairamlia fuscipes* Waterston (Hymenoptera, Pteromalidae), a parasite  
of fleas. Zool. zhur. 39 no.12:1879-1880 '60. (MIRA 14:1)

1. Department of Entomology, Moscow State University.  
(Chalcid flies) (Parasites--Fleas)

TEFLY, D.L.

New types of electrode apparatus for leading off bioelectric potentials  
of the cerebral cortex in rabbits. Fiziol. zhur. 45 no.10:1279-1280  
0 '59. (MIRA 13:2)

1. Respublikanskaya nauchno-issledovatel'skaya sanitarno-khimicheskaya  
laboratoriya, Khabarovsk.  
(CEREBRAL CORTEX physiol.)  
(ELECTROPHYSIOLOGY equip. & supply)

KUN, M.S., kand.biolog.nauk; ASTAKHOVA, T.V.; TEPLY, D.L.

Why is the carp dying in the Volga Delta? Priroda 49 no.5:  
100-101 My '60.  
(MIRA 13:5)

1. Kaspiyskiy nauchno-issledovatel'skiy institut rybnogo khozyaystva i okeanografii, Astrakhan'.  
(Volga Delta--Carp)

ASTAKHOVA, T.V.; KUN, M.S.; TEPLYIY, D.L.

Cause of a carp disease in the lower course of the Volga River.  
Dokl.AN SSSR 133 no.5:1205-1208 Ag '60. (MIRA 13:8)

1. Kaspiyskiy nauchno-issledovatel'skiy institut morskogo rybnogo  
khozyaystva i okeanografii. Predstavлено akad. Ya.N.Pavlovskim.  
(Volga River--Carp--Diseases and pests)  
(Algae--Toxicology)

KUN, M.S.; TEPLYY, D.L.; ASTAKHOVA, T.V.

Causes of a carp disease in the Volga Delta. Vop. ikht. no.17:  
159-168 '61. (MIRA 14:5)

1. Kaspiyskiy nauchno-issledovatel'skiy institut morskogo rybnogo  
khozyaystva i okeanografii (KaspNIRO).  
(Volga Delta—Carp—Diseases and pests)  
(Algae—Toxicology)